

WHAT IS CLAIMED IS:

1. A liquid infant formula comprising:

- (A) up to about 5.4% by weight of lipid,
- (B) from about 5.4% to about 10.8% by weight of carbohydrate,
- 5 (C) up to about 2.4% by weight of a phytase-treated soy protein, and
- (D) from about 10 mg to about 600 mg of calcium per liter of formula,

wherein the formula is an infant liquid nutritional formula having a calcium to lipid weight ratio of from about 0.002 to about 0.020, and wherein the formula contains not more than 0.3% phytic acid by weight of the phytase-treated soy protein.

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2. The liquid formula of Claim 1, wherein the formula comprises from about 2.7% to about 4.5 % by weight of lipid.

3. The liquid formula of Claim 1, wherein the formula comprises from about 6.1% to about 8.8%

15 by weight of carbohydrate.

4. The liquid formula of Claim 1, wherein the formula comprises from about 1.0% to about 2.3 % by weight of phytase-treated soy protein.

20 5. The liquid formula of Claim 1, wherein the formula comprises from about 300 mg to about 550 mg of calcium per liter.

6. The liquid formula of Claim 1, wherein the weight ratio of the calcium to the lipid is from about 0.010 to about 0.017.

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7. The liquid formula of Claim 1, wherein the formula contains not more than about 8.4 mg phytic acid per 100 kcal of formula.

30 8. The liquid formula of Claim 1, wherein the formula contains not more than about 1.4 mg phytic acid per 100 kcal of formula.

9. The liquid formula of Claim 1, wherein the phytase-treated soy protein is prepared by treating a soy protein material with a phytase-containing enzyme, and then water washing the enzyme treated material immediately following completion of the enzyme treatment to a phytic acid concentration 35 of less than about 0.3% by weight of the resulting enzyme treated soy protein.

10. The liquid formula of Claim 1, wherein the phytase-treated soy protein is prepared by treating a soy protein material with a phytase-containing enzyme, and then water washing the enzyme treated material immediately following completion of the enzyme treatment to a phytic acid
5 concentration of less than 0.05% by weight of the resulting enzyme treated soy protein.

11. An infant formula comprising per 100 kcal of said formula:

- (A) lipid,
- (B) carbohydrate,
- 10 (C) phytase-treated soy protein, and
- (D) calcium,

wherein the formula is an infant formula having a weight ratio of the calcium to the lipid of from about 0.002 to about 0.020, and wherein the formula contains not more than about 8.4 mg of phytic acid per 100 kcal of formula.

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12. The infant formula of Claim 11, wherein the formula comprises

- (A) up to about 8.0 g of lipid,
- (B) from about 8.0 g to about 16.0 g of carbohydrate,
- (C) up to about 3.5 g of phytase-treated soy protein and
- 20 (D) from about 50 mg to about 90 mg of calcium

13. The infant formula of Claim 11, wherein the formula comprises per 100 kcal of said formula from about 4 g to about 6.6 g of lipid.

25 14. The infant formula of Claim 11, wherein the formula comprises per 100 kcal of said formula from about 9 g to about 13 g of carbohydrate.

15. The infant formula of Claim 11, wherein the formula comprises per 100 kcal of said formula from about 1.5 g to about 3.4 g of phytase-treated soy protein.

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16. The infant formula of Claim 11, wherein the formula comprises per 100 kcal of said formula from about 74 mg to about 90 mg of calcium.

17. The infant formula of Claim 11, wherein the weight ratio of the calcium to the lipid is from

35 about 0.010 to about 0.017.

18. The infant formula of Claim 11, wherein the formula contains not more than about 8.4 mg phytic acid per 100 kcal of formula.

5 19. The infant formula of Claim 11, wherein the formula contains not more than about 1.4 mg phytic acid per 100 kcal of formula.

20. The infant formula of Claim 11, wherein the phytase-treated soy protein is prepared by treating a soy protein material with a phytase-containing enzyme, and then water washing the enzyme

10 treated material immediately following completion of the enzyme treatment to a phytic acid concentration of less than 0.3% by weight of the resulting enzyme treated soy protein.

21. The infant formula of Claim 11, wherein the phytase-treated soy protein is prepared by treating a soy protein material with a phytase-containing enzyme, and then water washing the enzyme

15 treated material immediately following completion of the enzyme treatment to a phytic acid concentration of less than 0.05% by weight of the resulting enzyme treated soy protein.

22. A method of providing nutrition to an infant, said method comprising feeding the infant the formula of Claim 1.

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23. A method of providing nutrition and softening infant stools, said method comprising feeding the infant the formula of Claim 1.

24. A method of providing nutrition and reducing the incidence of constipation in an infant, said 25 method comprising feeding the infant the formula of Claim 1.

25. A method of providing nutrition to an infant, said method comprising feeding the infant the formula of Claim 11.

30 26. A method of providing nutrition and softening infant stools, said method comprising feeding the infant the formula of Claim 11.

27. A method of providing nutrition and reducing the incidence of constipation in an infant, said method comprising feeding the infant the formula of Claim 11.

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